

# 350 KW DC EV CHARGING ANALYZER/SIMULATOR



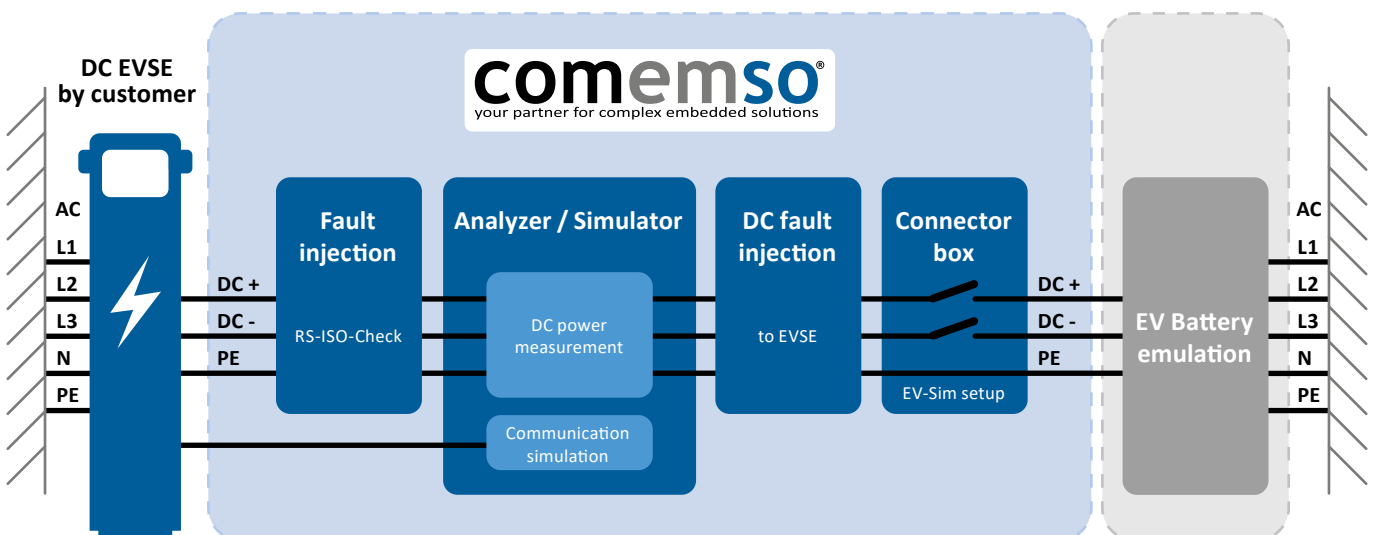
# The EV Charging Analyzer is the technical standard in the analysis of the e-mobility charging process.

Developments in e-mobility present new challenges for vehicle and charging-system manufacturers. Due to high availability of the 230V AC main power supply, conductive charging systems for electric vehicles are now widespread. The relatively new standard IEC 61851-1, DIN 70121, ISO 15118 and SAE J1772 describe the requirements for European and US AC and DC-charging-systems, electrical waveforms and the pilot signal to control the charging process. By combining electric vehicles and charging systems from various manufacturers,

different system-tolerances and disturbing influences may occur. The causes of charge interruptions are very difficult to locate due to the long charging period.

The comemso EV Charging Analyzer / Simulator measures and verifies both the communication and the load circuit on standard-conformity over the complete duration of charging and records all deviations. User friendly and enhanced visualisations, fault injections and test libraries complete the possibilities of conformity and robustness testing.

## DC application: EVSE Test (DC EV-Simulation).



Example system for  
EVSE-Test, 350 kW  
DC-CCS:

DC-CCS  
1000 V, max. 500 A

CHAdeMO  
500 V, 125 A



Example system  
for EV-Test, 350 kW  
DC-CCS:

DC-China  
750 V, 250 A

CHAdeMO  
500 V, 200 A

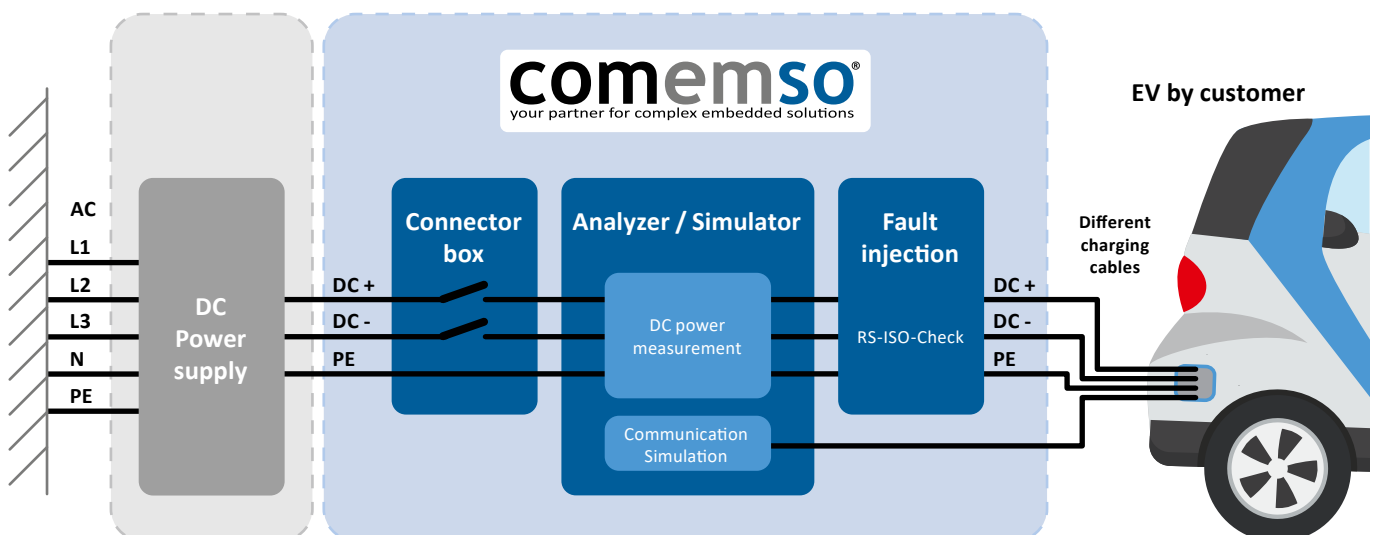
DC-CCS  
1000 V, 500 A



Example for  
400 kW of  
a battery  
emulator:



DC application: EV Test (DC EVSE-Simulation).



Our objective:  
To make complex charging  
processes easy to analyse  
and test!

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